

10/19/99

10/19/99

A

Please type a plus sign (+) inside this box

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/05 (4/98)  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
OMB 0651-0032  
Valid for use through 09/30/2000.

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	042390.P7149
First Inventor or Application Identifier	Puthiya K. Nizar
Title	METHOD AND APPARATUS FOR SUPPORTING SDRAM MEMORY
Express Mail Label No.	EL236840149US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

- ☒ Fee Transmittal Form  
(Submit an original, and a duplicate for fee processing)
- ☒ Specification [Total Pages 28]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 2]
- Oath or Declaration [Total Pages 5]
  - ☒ Newly executed (original copy)
  - ☐ Copy from a prior application (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 16 completed)
  - ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b).

- ☐ Microfiche Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - ☐ Computer Readable Copy
  - ☐ Paper Copy (identical to computer copy)
  - ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

- ☒ Assignment Papers (cover sheet & document(s))
- ☐ 37 C.F.R. § 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
- ☐ English Translation Document (if applicable)
- ☐ Information Disclosure Statement (IDS)/PTO - 1449 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
- ☐ \*Small Entity Statement(s) ☐ Statement filed in prior application, Status still proper and desired
- ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
- ☐ Other: .....

\*NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:  
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: .....

Prior application Information: Examiner: ..... Group/Art Unit: .....

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 17. CORRESPONDENCE ADDRESS

☐ Customer Number of Bar Code Label (Insert Customer No. or Attach bar code label here) or ☒ Correspondence address below

Name	BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP				
Address	12400 Wilshire Boulevard, Seventh Floor				
City	Los Angeles	State	California	Zip Code	90025
Country	U.S.A.	Telephone	(714) 557-3800	Fax	(714) 557-3347

Name (Print/Type)	James Henry	41,064
Signature		
Date	10/19/99	

Burden Hour Statement: This form is estimated to take 1/2 hour to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

10/19/99

Please type a plus sign (+) inside this box

PTO/SB/17 (2/98)

Approved for use through 09/30/2000. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<h2 style="margin: 0;">FEE TRANSMITTAL</h2> <p style="font-size: small; margin: 5px 0;">Patent fees are subject to annual revision on October 1. These are the fees effective October 1, 1997. Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R §§ 1.27 and 1.28.</p>		<p><b>Complete if Known</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Application Number</td><td></td></tr> <tr><td>Filing Date</td><td></td></tr> <tr><td>First Named Inventor</td><td>Puthiya K. Nizar</td></tr> <tr><td>Examiner Name</td><td></td></tr> <tr><td>Group/Art Unit</td><td></td></tr> <tr><td>Attorney Docket Number</td><td>042390.P7149</td></tr> </table>		Application Number		Filing Date		First Named Inventor	Puthiya K. Nizar	Examiner Name		Group/Art Unit		Attorney Docket Number	042390.P7149
Application Number															
Filing Date															
First Named Inventor	Puthiya K. Nizar														
Examiner Name															
Group/Art Unit															
Attorney Docket Number	042390.P7149														
TOTAL AMOUNT OF PAYMENT	(\$)	932.00													

<p style="text-align: center;"><b>METHOD OF PAYMENT (check one)</b></p> <p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number: <span style="border: 1px solid black; padding: 2px 20px;">02-2666</span></p> <p>Deposit Account Name: <span style="border: 1px solid black; padding: 2px 40px;">Blakely, Sokoloff, Taylor &amp; Zafman LLP</span></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.      <input type="checkbox"/> Charge the Issue Fee Set in 37 CFR § 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.311(b)</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed:</p> <p><input checked="" type="checkbox"/> Check      <input type="checkbox"/> Money Order      <input type="checkbox"/> Other</p> <p style="text-align: center;"><b>FEE CALCULATION</b></p> <p><b>1. BASIC FILING FEE</b></p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>101</td><td>760</td><td>201</td><td>380</td><td>Utility filing fee</td><td>\$760.00</td></tr> <tr><td>106</td><td>310</td><td>206</td><td>155</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>480</td><td>207</td><td>240</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>760</td><td>208</td><td>380</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (1)</b></td> <td><b>(\$)</b> 760.00</td> </tr> </tbody> </table> <p><b>2. EXTRA CLAIM FEES</b></p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th colspan="2">Total Claims</th> <th colspan="2">Extra Claims</th> <th colspan="2">Fee from below</th> <th colspan="2">Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Independent Claims</td> <td>23</td> <td>20</td> <td>3</td> <td>18.00</td> <td>=</td> <td>\$54.00</td> <td></td> </tr> <tr> <td>Multiple Dependent Claims</td> <td>4</td> <td>3</td> <td>1</td> <td>78.00</td> <td>=</td> <td>\$78.00</td> <td></td> </tr> <tr> <td colspan="5"></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>102</td><td>78</td><td>202</td><td>39</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>104</td><td>260</td><td>204</td><td>130</td><td>Multiple Dependent claim, if not paid</td><td></td></tr> <tr><td>109</td><td>78</td><td>209</td><td>39</td><td>**Reissue independent claims over original patent</td><td></td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>**Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (2)</b></td> <td><b>(\$)</b> 132.00</td> </tr> </tbody> </table>	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	101	760	201	380	Utility filing fee	\$760.00	106	310	206	155	Design filing fee		107	480	207	240	Plant filing fee		108	760	208	380	Reissue filing fee		114	150	214	75	Provisional filing fee		<b>SUBTOTAL (1)</b>					<b>(\$)</b> 760.00	Total Claims		Extra Claims		Fee from below		Fee Paid		Independent Claims	23	20	3	18.00	=	\$54.00		Multiple Dependent Claims	4	3	1	78.00	=	\$78.00										Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	103	18	203	9	Claims in excess of 20		102	78	202	39	Independent claims in excess of 3		104	260	204	130	Multiple Dependent claim, if not paid		109	78	209	39	**Reissue independent claims over original patent		110	18	210	9	**Reissue claims in excess of 20 and over original patent		<b>SUBTOTAL (2)</b>					<b>(\$)</b> 132.00	<p style="text-align: center;"><b>FEE CALCULATION (continued)</b></p> <p><b>3. ADDITIONAL FEE</b></p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>*Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>*Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for response within first month</td><td></td></tr> <tr><td>116</td><td>380</td><td>216</td><td>190</td><td>Extension for response within second month</td><td></td></tr> <tr><td>117</td><td>870</td><td>217</td><td>435</td><td>Extension for response within third month</td><td></td></tr> <tr><td>118</td><td>1,210</td><td>218</td><td>680</td><td>Extension for response within fourth month</td><td></td></tr> <tr><td>128</td><td>1,850</td><td>228</td><td>925</td><td>Extension for response within fifth month</td><td></td></tr> <tr><td>119</td><td>300</td><td>219</td><td>150</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>300</td><td>220</td><td>150</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>260</td><td>221</td><td>130</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,210</td><td>241</td><td>605</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,210</td><td>242</td><td>605</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>430</td><td>243</td><td>215</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>580</td><td>244</td><td>290</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>240</td><td>126</td><td>240</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40.00</td></tr> <tr><td>146</td><td>790</td><td>246</td><td>395</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149</td><td>790</td><td>249</td><td>395</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td colspan="6">Other fee (specify) _____</td></tr> <tr><td colspan="6">Other fee (specify) _____</td></tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (3)</b></td> <td><b>(\$)</b> 40.00</td> </tr> </tbody> </table> <p>* Reduced by Basic Filing Fee Paid</p>	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	105	130	205	65	Surcharge - late filing fee or oath		127	50	227	25	Surcharge - late provisional filing fee or cover sheet.		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for reexamination		112	920*	112	920*	*Requesting publication of SIR prior to Examiner action		113	1,840*	113	1,840*	*Requesting publication of SIR after Examiner action		115	110	215	55	Extension for response within first month		116	380	216	190	Extension for response within second month		117	870	217	435	Extension for response within third month		118	1,210	218	680	Extension for response within fourth month		128	1,850	228	925	Extension for response within fifth month		119	300	219	150	Notice of Appeal		120	300	220	150	Filing a brief in support of an appeal		121	260	221	130	Request for oral hearing		138	1,510	138	1510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive - unavoidable		141	1,210	241	605	Petition to revive - unintentional		142	1,210	242	605	Utility issue fee (or reissue)		143	430	243	215	Design issue fee		144	580	244	290	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Petitions related to provisional applications		126	240	126	240	Submission of Information Disclosure Stmt		581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00	146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))		149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))		Other fee (specify) _____						Other fee (specify) _____						<b>SUBTOTAL (3)</b>					<b>(\$)</b> 40.00
Large Entity		Small Entity		Fee Description			Fee Paid																																																																																																																																																																																																																																																																																																														
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																																																																																																																																		
101	760	201	380	Utility filing fee	\$760.00																																																																																																																																																																																																																																																																																																																
106	310	206	155	Design filing fee																																																																																																																																																																																																																																																																																																																	
107	480	207	240	Plant filing fee																																																																																																																																																																																																																																																																																																																	
108	760	208	380	Reissue filing fee																																																																																																																																																																																																																																																																																																																	
114	150	214	75	Provisional filing fee																																																																																																																																																																																																																																																																																																																	
<b>SUBTOTAL (1)</b>					<b>(\$)</b> 760.00																																																																																																																																																																																																																																																																																																																
Total Claims		Extra Claims		Fee from below		Fee Paid																																																																																																																																																																																																																																																																																																															
Independent Claims	23	20	3	18.00	=	\$54.00																																																																																																																																																																																																																																																																																																															
Multiple Dependent Claims	4	3	1	78.00	=	\$78.00																																																																																																																																																																																																																																																																																																															
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																																																																																																																																																
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																																																																																																																																		
103	18	203	9	Claims in excess of 20																																																																																																																																																																																																																																																																																																																	
102	78	202	39	Independent claims in excess of 3																																																																																																																																																																																																																																																																																																																	
104	260	204	130	Multiple Dependent claim, if not paid																																																																																																																																																																																																																																																																																																																	
109	78	209	39	**Reissue independent claims over original patent																																																																																																																																																																																																																																																																																																																	
110	18	210	9	**Reissue claims in excess of 20 and over original patent																																																																																																																																																																																																																																																																																																																	
<b>SUBTOTAL (2)</b>					<b>(\$)</b> 132.00																																																																																																																																																																																																																																																																																																																
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																																																																																																																																																
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																																																																																																																																		
105	130	205	65	Surcharge - late filing fee or oath																																																																																																																																																																																																																																																																																																																	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.																																																																																																																																																																																																																																																																																																																	
139	130	139	130	Non-English specification																																																																																																																																																																																																																																																																																																																	
147	2,520	147	2,520	For filing a request for reexamination																																																																																																																																																																																																																																																																																																																	
112	920*	112	920*	*Requesting publication of SIR prior to Examiner action																																																																																																																																																																																																																																																																																																																	
113	1,840*	113	1,840*	*Requesting publication of SIR after Examiner action																																																																																																																																																																																																																																																																																																																	
115	110	215	55	Extension for response within first month																																																																																																																																																																																																																																																																																																																	
116	380	216	190	Extension for response within second month																																																																																																																																																																																																																																																																																																																	
117	870	217	435	Extension for response within third month																																																																																																																																																																																																																																																																																																																	
118	1,210	218	680	Extension for response within fourth month																																																																																																																																																																																																																																																																																																																	
128	1,850	228	925	Extension for response within fifth month																																																																																																																																																																																																																																																																																																																	
119	300	219	150	Notice of Appeal																																																																																																																																																																																																																																																																																																																	
120	300	220	150	Filing a brief in support of an appeal																																																																																																																																																																																																																																																																																																																	
121	260	221	130	Request for oral hearing																																																																																																																																																																																																																																																																																																																	
138	1,510	138	1510	Petition to institute a public use proceeding																																																																																																																																																																																																																																																																																																																	
140	110	240	55	Petition to revive - unavoidable																																																																																																																																																																																																																																																																																																																	
141	1,210	241	605	Petition to revive - unintentional																																																																																																																																																																																																																																																																																																																	
142	1,210	242	605	Utility issue fee (or reissue)																																																																																																																																																																																																																																																																																																																	
143	430	243	215	Design issue fee																																																																																																																																																																																																																																																																																																																	
144	580	244	290	Plant issue fee																																																																																																																																																																																																																																																																																																																	
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																																																																																																																																																																	
123	50	123	50	Petitions related to provisional applications																																																																																																																																																																																																																																																																																																																	
126	240	126	240	Submission of Information Disclosure Stmt																																																																																																																																																																																																																																																																																																																	
581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00																																																																																																																																																																																																																																																																																																																
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																																																																																																																																																	
149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																																																																																																																																																	
Other fee (specify) _____																																																																																																																																																																																																																																																																																																																					
Other fee (specify) _____																																																																																																																																																																																																																																																																																																																					
<b>SUBTOTAL (3)</b>					<b>(\$)</b> 40.00																																																																																																																																																																																																																																																																																																																

<b>SUBMITTED BY</b>				<b>Complete (if applicable)</b>	
Typed or Printed Name	James Henry, 41,064			Reg. Number	
Signature			Date	10/19/99	Deposit Account User ID
					02-2666

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents/Box Patent Application, Washington, DC 20231.